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US-CL-CURRENT: 424/93.2; 424/93.6, 435/235.1, 435/320.1

Full Title Citation Front Review Classification Date Reference Citation Claims KMC Draw De

13. Document ID: US 6004557 A

L26: Entry 13 of 24 File: USPT Dec 21, 1999

US-PAT-NO: 6004557

DOCUMENT-IDENTIFIER: US 6004557 A

TITLE: Variants of human papillomavirus antigens

DATE-ISSUED: December 21, 1999

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY Edwards; Stirling John Caburg AU Cox; John Cooper Bullengarook AU

Webb; Elizabeth Ann Eltham AU Frazer; Ian St. Lucia. AU

US-CL-CURRENT: 424/192.1; 424/186.1, 424/199.1, 424/204.1, 435/235.1, 435/320.1, 435/69.1, 435/69.7, 536/23.1, 536/23.72, 536/24.3

Fuil	Titie	Citation Front	Review Classificatio	n Date	Reference	Claims	KMC	Draw, D
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	14.	Document ID	: US 5968761 A	\				

L26: Entry 14 of 24 File: USPT Oct 19, 1999

US-PAT-NO: 5968761

DOCUMENT-IDENTIFIER: US 5968761 A

TITLE: Ubiquitin conjugating enzymes

DATE-ISSUED: October 19, 1999

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Rolfe; Mark Newton Upper Falls MA Chiu; Maria Isabel Boston MA Cottarel; Guillaume West Roxbury MA Berlin; Vivian Dunstable MA Cambridge Damagnez; Veronique MA Draetta; Giulio Winchester MA

US-CL-CURRENT: <u>435/15</u>; <u>435/193</u>

Full Title | Citation | Front | Review | Classification | Date | Reference | Claims | Claims | KMC | Draw De

15. Document ID: US 5858987 A

L26: Entry 15 of 24

File: USPT

Jan 12, 1999

US-PAT-NO: 5858987

DOCUMENT-IDENTIFIER: US 5858987 A

TITLE: E6AP antisense constructs and methods of use

DATE-ISSUED: January 12, 1999

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Beer-Romero; Peggy L. Arlington MA
Draetta; Giulio Winchester MA
Rolfe; Mark Newton Upper Falls MA

US-CL-CURRENT: 514/44; 435/5, 435/6, 435/91.2, 536/23.1, 536/24.3, 536/24.3,

536/24.5

16. Document ID: US 5821051 A

L26: Entry 16 of 24 File: USPT Oct 13, 1998

US-PAT-NO: 5821051

DOCUMENT-IDENTIFIER: US 5821051 A

TITLE: E6 binding proteins

DATE-ISSUED: October 13, 1998

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Androphy; Elliot Natick MA Chen; Jason J. Boston MA

US-CL-CURRENT: 435/5; 530/350, 530/352, 530/357, 530/358

17. Document ID: US 5770384 A

L26: Entry 17 of 24 File: USPT Jun 23, 1998

US-PAT-NO: 5770384

Record List Display Page 4 of 5

DOCUMENT-IDENTIFIER: US 5770384 A

TITLE: Method for determining compound interaction with E2 binding proteins

DATE-ISSUED: June 23, 1998

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Androphy; Elliot J. Natick MA Breiding; David E. Somerville MA

US-CL-CURRENT: 435/7.8; 435/5, 435/69.1, 435/69.7, 435/7.1, 435/7.93, 514/2,

<u>530/300</u>, <u>530/350</u>, <u>536/23.72</u>

Full Title | Citation | Front | Review | Classification | Date | Reference | Claims | Color | Claims | Color | Draw Do

US-PAT-NO: 5744133

DOCUMENT-IDENTIFIER: US 5744133 A

TITLE: Expression of a tumor-specific antigen by a recombinant vector virus and use

thereof in preventitive or curative treatment of the corresponding tumor

DATE-ISSUED: April 28, 1998

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Lathe; Richard Strasbourg FR
Kieny; Marie-Paule Strasbourg FR
Meneguzzi; Guerrino Nice FR

US-CL-CURRENT: 424/93.2; 424/93.6, 435/235.1, 435/320.1

Full Title Citation Front Review Classification Date Reference

19. Document ID: US 5712092 A

L26: Entry 19 of 24 File: USPT Jan 27, 1998

US-PAT-NO: 5712092

DOCUMENT-IDENTIFIER: US 5712092 A

TITLE: Papillomavirus probe and process for in vitro diagnosis of papillomavirus

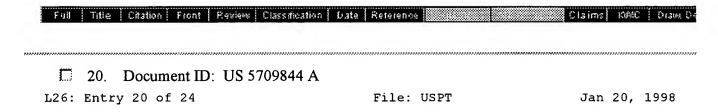
infections

DATE-ISSUED: January 27, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Orth; Gerard	Sceaux			FR
Beaudenon; Sylvie	Esbly			FR
Favre; Michel	Paris			FR
Kremsdorf; Dina	Paris			FR
Croissant; Odile	Paris			FR
Pehau-Arnaudet; Gerard	Montreuil			FR

US-CL-CURRENT: $\underline{435/6}$; $\underline{435/252.3}$, $\underline{435/320.1}$, $\underline{435/5}$, $\underline{536/23.72}$, $\underline{536/24.3}$, $\underline{536/24.32}$



US-PAT-NO: 5709844

DOCUMENT-IDENTIFIER: US 5709844 A

TITLE: Transgenic mice expressing HPV early region oncogene develop progressive

cervico-vaginal neoplasia

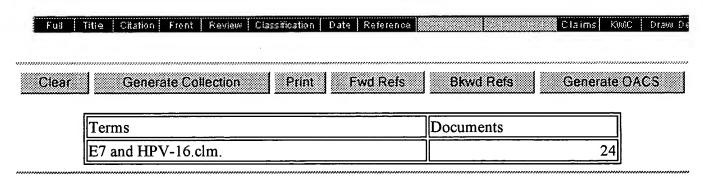
DATE-ISSUED: January 20, 1998

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Arbeit; Jeffrey M. San Francisco CA Hanahan; Douglas San Francisco CA

US-CL-CURRENT: 800/3



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21. Document ID: US 5698764 A

L26: Entry 21 of 24

File: USPT

Dec 16, 1997

US-PAT-NO: 5698764

DOCUMENT-IDENTIFIER: US 5698764 A

TITLE: Transgenic mice expressing HPV early region oncogene develop progressive

epithelial neoplasia

DATE-ISSUED: December 16, 1997

INVENTOR-INFORMATION:

NAME

CITY

ZIP CODE STATE

COUNTRY

Arbeit; Jeffrey M.

San Francisco

San Francisco

CA CA

Hanahan; Douglas Howley; Peter M.

Wellesley

ΜA

US-CL-CURRENT: 800/3; 424/9.2, 800/10, 800/18

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw De

22. Document ID: US 5679509 A

L26: Entry 22 of 24

File: USPT

Oct 21, 1997

US-PAT-NO: 5679509

DOCUMENT-IDENTIFIER: US 5679509 A

** See image for Certificate of Correction **

TITLE: Methods and a diagnostic aid for distinguishing a subset of HPV that is associated with an increased risk of developing cervical dysplasia and cervical cancer

DATE-ISSUED: October 21, 1997

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE COUNTRY

Wheeler; Cosette M.

Placitas

NM

Parmenter; Cheryl A.

Albuquerque

MM

US-CL-CURRENT: 435/5; 435/6, 435/7.21, 435/7.23, 435/91.2, 436/64, 436/811, 436/813

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | Claims | KNIC | Draw, De

23. Document ID: US 5629161 A

L26: Entry 23 of 24

File: USPT

May 13, 1997

US-PAT-NO: 5629161

DOCUMENT-IDENTIFIER: US 5629161 A

TITLE: Use of HVP-16 E6 and $\underline{E7}$ -gene derived peptides to diagnose HPV-16-associated

invasive cervical cancer

DATE-ISSUED: May 13, 1997

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Muller; Martin Heidelberg DE Gissmann; Lutz Wiesloch DE

US-CL-CURRENT: 435/7.1; 530/324, 530/325, 530/326, 530/327, 530/387.9, 530/388.3,

530/389.1, 530/389.4

24. Document ID: US 5045447 A

L26: Entry 24 of 24 File: USPT Sep 3, 1991

US-PAT-NO: 5045447

DOCUMENT-IDENTIFIER: US 5045447 A

TITLE: Method of producing antibodies to HPV

DATE-ISSUED: September 3, 1991

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Minson; Anthony C. Great Shelford, Cambridge GB2

US-CL-CURRENT: 435/5; 422/61, 435/7.92, 436/548

Full	Title Citation	Front	Review	Classification	Date	Reference			Claims	1000C Drav
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	L25	E7 and HPV-16	164
	L24	E6 and HPV 18.clm.	29
	L23	E6 and HPV 16.clm.	49
	L22	E6 and HPV 16	324
	L21	E6 and HPV 18	174
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	L19	E6 and HPV 16	24
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	L16	US-5919615-A.did.	1
	L15	US-5919615-A.did.	1
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	DB=EP	AB; PLUR=YES; OP=ADJ	
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	L12	WO-2004005469-A2.did.	1
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	L10	HU.in. and papillomavirus	5
	L9	HU.in. and virus	129
	L8	HU.in.	2247
	L7	4777239.pn.	1
	L6	6743593.pn.	. 1
	L5	5679509.pn. and antibody	1

L4	5679509.pn.	1
L3	L1 and 2	1
L2	L1 and 24	1
L1	6783763.pn.	1

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	5 :	Bollag B, Chuk	e WF, Friso	que R.J.			Relate	d Articles,	Links
		Hybrid genor virus 40: ide J Virol. 1989 Fd PMID: 253610	ntification eb;63(2):86	of sequence 3-72.	ces importa				
	6 :	Trowbridge PW	V. Frisque R	<u>J.</u>			Relate	d Articles,	Links
		Analysis of C and chimeric Virology. 1993	JC virus	and SV40 g		ing proto	type, va	riant, mu	ıtant,

7: Zhu JY, Abate M, Rice PW, Cole CN. Related Articles, Links

The ability of simian virus 40 large T antigen to immortalize primary

PMID: 8396798 [PubMed - indexed for MEDLINE]

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mouse embryo fibroblasts cosegregates with its ability to bind to p53.

J Virol. 1991 Dec;65(12):6872-80.

PMID: 1658380 [PubMed - indexed for MEDLINE]

8: Swenson JJ. Trowbridge PW, Frisque RJ.

Related Articles, Links

Replication activity of JC virus large T antigen phosphorylation and zinc finger domain mutants.

J Neurovirol. 1996 Apr;2(2):78-86.

PMID: 8799199 [PubMed - indexed for MEDLINE]

9: Su LN, Little JB.

Related Articles, Links



Transformation and radiosensitivity of human diploid skin fibroblasts transfected with SV40 T-antigen mutants defective in RB and P53 binding domains.

Int J Radiat Biol. 1992 Oct;62(4):461-8.

PMID: 1357059 [PubMed - indexed for MEDLINE]

10: O'Neill FJ, Xu X, Gao Y, Rosenfeld M, Jenkins F, Carney H.

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Persistence of the SV40 early region without expression in permissive simian cells.

Virus Res. 1994 Dec;34(3):237-63.

PMID: 7856313 [PubMed - indexed for MEDLINE]

11: Conzen SD, Cole CN.

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The three transforming regions of SV40 T antigen are required for immortalization of primary mouse embryo fibroblasts.

Oncogene. 1995 Dec 7;11(11):2295-302.

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12: Haggerty S, Walker DL, Frisque RJ.

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JC virus-simian virus 40 genomes containing heterologous regulatory signals and chimeric early regions: identification of regions restricting transformation by JC virus.

J Virol. 1989 May;63(5):2180-90.

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13: Lanford RE, Wong C, Butel JS.

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Differential ability of a T-antigen transport-defective mutant of simian virus 40 to transform primary and established rodent cells.

Mol Cell Biol. 1985 May;5(5):1043-50.

PMID: 2987672 [PubMed - indexed for MEDLINE]

113: Radna RL, Caton Y, Jha KK, Kaplan P, Li G, Traganos F, Ozer Related Articles, Links HL.



Growth of immortal simian virus 40 tsA-transformed human fibroblasts is temperature dependent.

Mol Cell Biol. 1989 Jul;9(7):3093-6.

PMID: 2779555 [PubMed - indexed for MEDLINE]

15: Tanaka Y, Tang X, Hou DX, Gao H, Kitabayashi I, Gachelin G. Related Articles, Links Yokoyama K.



Phenotypic conversion of SV40-immortalized human diploid fibroblasts to senescing cells by introduction of an antisense gene for SV40-T antigen.

Cell Struct Funct. 1992 Dec;17(6):351-62. PMID: 1338304 [PubMed - indexed for MEDLINE] 16: Peden KW, Srinivasan A, Vartikar JV, Pipas JM. Related Articles, Links Effects of mutations within the SV40 large T antigen ATPase/p53 binding domain on viral replication and transformation. Virus Genes. 1998;16(2):153-65. PMID: 9608660 [PubMed - indexed for MEDLINE] Related Articles, Links 17: Kohli M, Jorgensen TJ. The influence of SV40 immortalization of human fibroblasts on p53dependent radiation responses. Biochem Biophys Res Commun. 1999 Apr 2;257(1):168-76. PMID: 10092528 [PubMed - indexed for MEDLINE] 18: Kao C, Hauser P, Reznikoff WS, Reznikoff CA. Related Articles, Links Simian virus 40 (SV40) T-antigen mutations in tumorigenic transformation of SV40-immortalized human uroepithelial cells. J Virol. 1993 Apr;67(4):1987-95. PMID: 8383222 [PubMed - indexed for MEDLINE] 19: O'Neill FJ, Xu X, Gao Y. Related Articles, Links Host range analysis of a chimeric simian virus 40 genome containing the BKV capsid genes. Virus Res. 1992 Sep 15;25(3):169-87. PMID: 1332273 [PubMed - indexed for MEDLINE] 20: Kang S, Folk WR. Related Articles, Links Lymphotropic papovavirus transforms hamster cells without altering the amount or stability of p53. Virology. 1992 Dec;191(2):754-64. PMID: 1333122 [PubMed - indexed for MEDLINE] of 9 Next Items 1 - 20 of 173 Page Display Summary Show 20 Sort by Send to

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Clinical Alerts ClinicalTrials.gov		PMID: 158319	339 [PubMe	d - in process					

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Inhibitory effect of jaceosidin isolated from Artemisiaargyi on the function of E6 and E7 oncoproteins of HPV 16.

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Immunohistochemical expression of p16INK4a and bcl-2 according to HPV type and to the progression of cervical squamous intraepithelial lesions.

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□ 7:	Zhao X, Oberg D, Rush M, Fay J, Lambkin H, Schwartz S.	Related Articles, Links
	A 57-nucleotide upstream early polyadenylation element papillomavirus type 16 interacts with hFip1, CstF-64, h polypyrimidine tract binding protein. J Virol. 2005 Apr;79(7):4270-88. PMID: 15767428 [PubMed - indexed for MEDLINE]	
□ 8:	Ferris RL, Martinez I, Sirianni N, Wang J, Lopez-Albaitero A, Gollin SM, Johnson JT, Khan S.	Related Articles, Links
	Human papillomavirus-16 associated squamous cell car and neck (SCCHN): A natural disease model provides i carcinogenesis. Eur J Cancer. 2005 Mar;41(5):807-15. PMID: 15763658 [PubMed - in process]	
□ 9:	Beniston RG, Campo MS.	Related Articles, Links
	HPV-18 transformed cells fail to arrest in G1 in respons	se to quercetin
	treatment. Virus Res. 2005 May;109(2):203-9. Epub 2005 Jan 18. PMID: 15763151 [PubMed - in process]	
10	Dominiecki ME, Beatty GL, Pan ZK, Neeson P, Paterson Y.	Related Articles, Links
	Tumor sensitivity to IFN-gamma is required for successpecific immunotherapy of a transplantable mouse tum transformed tumors. Cancer Immunol Immunother. 2005 May;54(5):477-88. Epub 200 PMID: 15750832 [PubMed - in process]	nor model for HPV-
□11	Thyrell L, Sangfelt O, Zhivotovsky B, Pokrovskaja K, Wang Y, Einhorn S, Grander D.	Related Articles, Links
	The HPV-16 E7 oncogene sensitizes malignant cells to induced apoptosis. J Interferon Cytokine Res. 2005 Feb;25(2):63-72. PMID: 15695927 [PubMed - in process]) IFN-alpha-
□ 12	: Cuschieri KS, Beattie G, Hassan S, Robertson K, Cubie H.	Related Articles, Links
	Assessment of human papillomavirus mRNA detection cervical specimens collected in liquid based cytology in J Virol Methods. 2005 Mar;124(1-2):211-5. Epub 2004 Dec 16. PMID: 15664071 [PubMed - indexed for MEDLINE]	
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	Immune responses to human papillomavirus in genital with cervical cancer. Gynecol Oncol. 2005 Feb;96(2):452-61. PMID: 15661235 [PubMed - indexed for MEDLINE]	tract of women
□ 14	: Hussain SF, Paterson Y.	Related Articles, Links
	What is needed for effective antitumor immunotherapy using Listeria monocytogenes as a live vector for HPV Cancer Immunol Immunother. 2005 Jun;54(6):577-86. Epub 2005 PMID: 15650885 [PubMed - in process]	-associated tumors.
15	Steinberg T, Ohlschlager P, Sehr P, Osen W, Gissmann L.	Related Articles, Links

	Modification of HPV 16 E7 genes: correlation between the level of protein expression and CTL response after immunization of C57BL/6 mice. Vaccine. 2005 Jan 19;23(9):11/49-57. PMID: 15629358 [PubMed - indexed for MEDLINE]	
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	p16INK4A expression as biomarker for HPV 16-related vulvar neoplasias. Hum Pathol. 2004 Dec;35(12):1477-83. PMID: 15619206 [PubMed - indexed for MEDLINE]	
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	Spontaneous regression of grade 3 vulvar intraepithelial neoplasia associated with human papillomavirus-16-specific CD4(+) and CD8(+) T-cell responses. Cancer Res. 2004 Dec 1;64(23):8761-6. PMID: 15574788 [PubMed - indexed for MEDLINE]	
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1. Document ID: US 6884786 B1

L26: Entry 1 of 24

File: USPT

Apr 26, 2005

US-PAT-NO: 6884786

DOCUMENT-IDENTIFIER: US 6884786 B1

TITLE: Antitumoral composition based on immunogenic polypeptide with modified cell

location

DATE-ISSUED: April 26, 2005

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Kieny; Marie-Paule Strasbourg FR
Balloul; Jean-Marc Lingolsheim FR
Bizouarne; Nadine Schiltigheim FR

US-CL-CURRENT: 514/44; 424/93.1, 435/320.1, 435/455, 536/23.1

Full Title Citation Front Review Classification Date Reference

2. Document ID: US 6864054 B1

L26: Entry 2 of 24 File: USPT Mar 8, 2005

US-PAT-NO: 6864054

DOCUMENT-IDENTIFIER: US 6864054 B1

TITLE: Polypeptides from CREB binding protein and related protein p300 for use in

transcriptional regulation

DATE-ISSUED: March 8, 2005

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

O'Connor; Mark J. Cambridge GB Zimmermann; Holger Wuppertal DE

US-CL-CURRENT: 435/6; 435/235.1, 435/325, 435/69.1, 435/69.7, 435/91.1, 435/91.33,

530/300

Full Title Citation Front Review Classification Date Reference

3. Document ID: US 6734173 B1

L26: Entry 3 of 24

File: USPT

May 11, 2004

US-PAT-NO: 6734173

DOCUMENT-IDENTIFIER: US 6734173 B1

TITLE: HSP DNA vaccines

DATE-ISSUED: May 11, 2004

INVENTOR-INFORMATION:

NAME CITY STATE

COUNTRY

ZIP CODE

Wu; Tzyy-Choou Hung; Chien-Fu

Stevenson Brookeville MD MD

US-CL-CURRENT: <u>514/44; 536/23.5</u>

Full Title Citation Front Review Classification Date Reference Citation Claims KVMC Draws De 4. Document ID: US 6605281 B1

L26: Entry 4 of 24

File: USPT

Aug 12, 2003

US-PAT-NO: 6605281

DOCUMENT-IDENTIFIER: US 6605281 B1

TITLE: Human papillomavirus vectors for the episomal transduction of host cells and

method of making same

DATE-ISSUED: August 12, 2003

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Broker; Thomas R. Mountain Brook AL Chow; Louise T. Mountain Brook ALSorscher; Eric J. Birmingham ALZou; Nianxiang Homewood AL Gadi; Vijayakrishna K. Birmingham AL

US-CL-CURRENT: 424/199.1; 424/204.1, 435/2351, 435/252.3, 435/320.1, 435/325,

<u>435/69.1</u>, <u>536/23.1</u>, <u>536/23.72</u>

Full Title Citation Front Review Classification Date Reference Claims KOMC Draws Do

5. Document ID: US 6432926 B1

Record List Display Page 3 of 5

L26: Entry 5 of 24 File: USPT Aug 13, 2002

US-PAT-NO: 6432926

DOCUMENT-IDENTIFIER: US 6432926 B1

TITLE: Compositions and methods for treating papillomavirus-infected cells

DATE-ISSUED: August 13, 2002

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Howley; Peter M. Wellesley MA
Dowhanick-Morrissette; Jennifer J. Pottstown PA
Benson; John D. Brookline MA

Sakai; Hiroyuki Kyoto JP

US-CL-CURRENT: 514/44; 424/204.1, 435/325, 435/455, 514/12, 536/23.1

Full Title Citation Front Review Classification Date Reference Claims Kill Draw De

6. Document ID: US 6420160 B1

L26: Entry 6 of 24 File: USPT Jul 16, 2002

US-PAT-NO: 6420160

DOCUMENT-IDENTIFIER: US 6420160 B1

TITLE: Virus-like particles useful as a vector for delivering nucleic acid

DATE-ISSUED: July 16, 2002

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Bloch; Marie-Aline Lyons FR

US-CL-CURRENT: <u>435/239</u>; <u>424/192.1</u>, <u>424/204.1</u>, <u>424/93.2</u>, <u>424/93.21</u>, <u>424/93.6</u>,

435/235.1, 435/455

7. Document ID: US 6306397 B1

L26: Entry 7 of 24 File: USPT Oct 23, 2001

US-PAT-NO: 6306397

DOCUMENT-IDENTIFIER: US 6306397 B1

TITLE: Variants of human papilloma virus antigens

DATE-ISSUED: October 23, 2001

Record List Display Page 4 of 5

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Edwards; Stirling John Northcote AU
Cox; John Cooper Bullengarook AU
Webb; Elizabeth Ann Eltham AU
Frazer; Ian St. Lucia AU

US-CL-CURRENT: 424/192.1; 424/186.1, 424/204.1, 435/235.1, 435/69.1, 435/69.7,

<u>536/23.1</u>, <u>536/23.72</u>, <u>536/24.3</u>

Full Title Citation Front Review Classification Date Reference

8. Document ID: US 6277980 B1

L26: Entry 8 of 24 File: USPT Aug 21, 2001

US-PAT-NO: 6277980

DOCUMENT-IDENTIFIER: US 6277980 B1

TITLE: Human papilloma virus inhibition by anti-sense oligonucleotides

DATE-ISSUED: August 21, 2001

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

DiPaolo; Joseph Bethesda MD Alvarez-Salas; Luis Bethesda MD

US-CL-CURRENT: <u>536/24.5</u>; <u>536/23.1</u>, <u>536/24.1</u>

9. Document ID: US 6235523 B1

L26: Entry 9 of 24 File: USPT May 22, 2001

US-PAT-NO: 6235523

DOCUMENT-IDENTIFIER: US 6235523 B1

TITLE: Vectors for DNA immunization against cervical cancer

DATE-ISSUED: May 22, 2001

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Gajewczyk; Diane M. Toronto CA
Persson; Roy North York CA
Yao; Fei-Long North York CA
Cao; Shi-Xian Etobicoke CA

CA

Klein; Michel H. Willowdale

Tartaglia; James Schenectady NY

Moingeon; Phillipe F-Pommiers FR
Rovinski; Benjamin Thornhill CA

US-CL-CURRENT: 435/320.1; 424/186.1, 424/192.1, 424/204.1, 514/44, 536/23.72

Full Title Citation Front Review Classification Date Reference Claims KNNC Draw De Claims III Document ID: US 6084090 A
L26: Entry 10 of 24 File: USPT Jul 4, 2000

US-PAT-NO: 6084090

DOCUMENT-IDENTIFIER: US 6084090 A

TITLE: Human papilloma virus anti-sense oligonucleotides

DATE-ISSUED: July 4, 2000

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

DiPaolo; Joseph Bethesda MD Alvarez-Salas; Luis Bethesda MD

US-CL-CURRENT: <u>536/24.5</u>; <u>435/6</u>, <u>536/24.1</u>

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(FILE 'HOME' ENTERED AT 15:57:35 ON 27 APR 2005)

	FILE	'MEDLI	ΙΕ'	ENTERED AT 15:57:44 ON 27 APR 2005	
Ll		15749	P	APILLOMAVIRUS	
L2		3294	3 "	E7"	
L3		2219	L	2 AND L1	
L4		2961	3 Н	PV-16	
L5		2219	L	3 AND L2	
L6		812 9	L	4 AND L5	
L7		335	D	IAGNOSTIC ASSAY	
L8		1 5	L	6 AND L7	
L9		93 \$	0	RF7	
L10		0 5	L	9 AND L4	
L11		0 5	L	9 AND L1	
L12		0 5	L	1 AND ORF(W)7	
L13		836 \$	L	2 AND L4	
L14		232 9	C	ERVICAL CANCER AND L13	
L15		0 5	D	ILLNER/AU AND L14	
L16		0.5	D	ILLNER/AU AND L4	
L17		2377 \$	Н	UMAN PAPILLOMAVIRUS TYPE 16	
L18		0 9	L	7 AND L17	
L19		1272 \$	L	17 AND L2	
L20		0 5	L	17 AND L9	
L21		617 5	D	ETECT? AND L17	
L22		155 \$	L	21 AND CERVICAL CANCER	

- L22 ANSWER 1 OF 155 MEDLINE on STN
- TI Induction of human papillomavirus type
 16-specific immunologic responses in a normal and an human papillomavirus-infected populations.
- L22 ANSWER 2 OF 155 MEDLINE on STN
- TI HPV16-specific cytotoxic T lymphocyte responses are **detected** in all HPV16-positive **cervical cancer** patients.
- L22 ANSWER 3 OF 155 MEDLINE on STN
- TI Superior therapeutic efficacy of alphavirus-mediated immunization against human papilloma virus type 16 antigens in a murine tumour model: effects of the route of immunization.
- L22 ANSWER 4 OF 155 MEDLINE on STN
- TI Chemically synthesized protein as tumour-specific vaccine: immunogenicity and efficacy of synthetic HPV16 E7 in the TC-1 mouse tumour model.
- L22 ANSWER 5 OF 155 MEDLINE on STN
- TI Impaired antigen presentation and effectiveness of combined active/passive immunotherapy for epithelial tumors.
- L22 ANSWER 6 OF 155 MEDLINE on STN
- TI Different methods of identifying new antigenic epitopes of human papillomavirus type 16 E6 and E7 proteins.
- L22 ANSWER 7 OF 155 MEDLINE on STN
- TI **Detection** of antibodies against a human papillomavirus (HPV) type 16 peptide that differentiate high-risk from low-risk HPV-associated low-grade squamous intraepithelial lesions.
- L22 ANSWER 8 OF 155 MEDLINE on STN
- TI Human papillomavirus type 16
 -positive cervical cancer is associated with impaired
 CD4+ T-cell immunity against early antigens E2 and E6.
- L22 ANSWER 9 OF 155 MEDLINE on STN
- TI Analysis of human papillomavirus type-16 variants in Italian women with cervical intraepithelial neoplasia and cervical cancer.
- L22 ANSWER 10 OF 155 MEDLINE on STN
- TI Generation of a DNA microarray for determination of E6 natural variants of human papillomavirus type 16.
- L22 ANSWER 11 OF 155 MEDLINE on STN
- TI Characterization of a new type HPV16 E7 variant isolated from cervical cancer highest incidence area in Hubei Province of China.
- L22 ANSWER 12 OF 155 MEDLINE on STN
- TI Antisense activity **detection** by inhibition of fluorescence resonance energy transfer.
- L22 ANSWER 13 OF 155 MEDLINE on STN
- TI **Detection** of HPV16 E6 gene in cervical tissues by quantitative polymerase chain reaction.
- L22 ANSWER 14 OF 155 MEDLINE on STN
- TI Use of the nested reverse transcription-polymerase chain reaction for the detection of human papillomavirus 16 E6 transcriptional activity in cervical cancer: a technical perspective.
- L22 ANSWER 15 OF 155 MEDLINE on STN
- TI Recombinant adenovirus-p53 gene transfer and cell-specific growth suppression of human cervical cancer cells in vitro

and in vivo.

- L22 ANSWER 16 OF 155 MEDLINE on STN
- Functional analysis of the human papillomavirus type 16 El=E4 protein provides a mechanism for in vivo and in vitro keratin filament reorganization.
- L22 ANSWER 17 OF 155 MEDLINE on STN
- TI Notch1 can contribute to viral-induced transformation of primary human keratinocytes.
- L22 ANSWER 18 OF 155 MEDLINE on STN
- TI [Quantity estimation of the E2/E6 HPV gene products ratio can be a prognostic marker for the stage of the cervical cancer carcinogenesis].

 Zastosowanie ilosciowej oceny kopii genow E2/E6 HPV16 jako markera diagnostycznego raka szyjki macicy.
- L22 ANSWER 19 OF 155 MEDLINE on STN
- TI Recapitulation of the effects of the human papillomavirus type 16 E7 oncogene on mouse epithelium by somatic Rb deletion and detection of pRb-independent effects of E7 in vivo.
- L22 ANSWER 20 OF 155 MEDLINE on STN
- TI Interaction between the HPV E7 oncoprotein and the transcriptional coactivator p300.
- L22 ANSWER 21 OF 155 MEDLINE on STN
- TI Detection of human papillomavirus-16 in ovarian malignancy.
- L22 ANSWER 22 OF 155 MEDLINE on STN
- TI Dendritic cell-based tumor vaccine for **cervical cancer**I: in vitro stimulation with recombinant protein-pulsed dendritic cells induces specific T cells to HPV16 E7 or HPV18 E7.
- L22 ANSWER 23 OF 155 MEDLINE on STN
- TI Dendritic cell-based tumor vaccine for cervical cancer II: results of a clinical pilot study in 15 individual patients.
- L22 ANSWER 24 OF 155 MEDLINE on STN
- TI Production of human papillomavirus type
 16 virus-like particles in transgenic plants.
- L22 ANSWER 25 OF 155 MEDLINE on STN
- TI The RASSFIA tumor suppressor gene is commonly inactivated in adenocarcinoma of the uterine cervix.
- L22 ANSWER 26 OF 155 MEDLINE on STN
- TI Measurement of Brn-3a levels in Pap smears provides a novel diagnostic marker for the **detection** of cervical neoplasia.
- L22 ANSWER 27 OF 155 MEDLINE on STN
- TI HPV 16 **detection** in cervical lesions, physical state of viral DNA and changes in p53 gene.
- L22 ANSWER 28 OF 155 MEDLINE on STN
- TI Human papillomavirus type 16 and immune status in human immunodeficiency virus-seropositive women.
- L22 ANSWER 29 OF 155 MEDLINE on STN
- TI Real-time PCR-based system for simultaneous quantification of human papillomavirus types associated with high risk of **cervical cancer**.
- L22 ANSWER 30 OF 155 MEDLINE on STN
- TI Human papillomavirus type 16 E7
 peptide-directed CD8+ T cells from patients with cervical

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Search Results - Record(s) 11 through 20 of 24 returned.

11. Document ID: US 6068982 A

L26: Entry 11 of 24 File: USPT May 30, 2000

US-PAT-NO: 6068982

DOCUMENT-IDENTIFIER: US 6068982 A

TITLE: Ubiquitin conjugating enzymes

DATE-ISSUED: May 30, 2000

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Rolfe; Mark Newton Upper Falls MA
Chiu; Maria Isabel Boston MA
Cottarel; Guillaume West Roxbury MA
Berlin; Vivian Dunstable MA
Damagnez; Veronique Cambridge MA

Draetta; Giulio Winchester MA

US-CL-CURRENT: 435/7.21; 435/193, 435/23, 435/29, 435/4, 435/6, 435/69.1, 435/7.1, 435/7.2, 530/350

Full Title Citation Front Review Classification Date Reference Claims KMC Draw De

12. Document ID: US 6007806 A

L26: Entry 12 of 24 File: USPT Dec 28, 1999

US-PAT-NO: 6007806

DOCUMENT-IDENTIFIER: US 6007806 A

TITLE: Expression of a tumor-specific antigen by a recombinant vector virus and use

thereof in preventive or curative treatment of the corresponding tumor

DATE-ISSUED: December 28, 1999

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Lathe; Richard Strasbourg FR
Kieny; Marie-Paule Strasbourg FR
Meneguzzi; Guerrino Nice FR